

WHAT IS CLAIMED IS:

1. A printed monopole antenna applied to a wireless communication device, comprising a spiral copper foil formed on a substrate, wherein the copper foil includes a first conductive arms extending along an elongate
5 length of the substrate has a first end reaching an edge of the substrate to serve as a feed point, a third conductive arm parallel to the first conductive arm, and an adjust arm protruding perpendicularly from an elongate length of the third conductive arm towards the first conductive arm.
2. The antenna according to Claim 1, wherein the substrate is
10 rectangular.
3. The antenna according to Claim 1, wherein the copper foil further comprises a second conductive arm extending perpendicular from the a second end of the first conductive arm to a first end of the third conductive arm, a fourth conductive arm extending perpendicularly from a second end of
15 the third conductive arm towards the first conductive arm, and a fifth conductive arm extending perpendicularly from a terminus of the fourth conductive arm towards the adjust arm.
4. The antenna according to Claim 1, wherein the total length of the copper foil is one quarter of the wavelength of an operating radio frequency
20 of the antenna.
5. The antenna according to Claim 1, wherein the length of the adjust arm is adjustable to change bandwidth of an operation radio frequency of the antenna.